IN THE CLAIMS

1. (Previously Presented) A method for performing call setup by a mobile station in a mobile communication system having a base station for serving the mobile station, and a mobile switching center for controlling the base station, the method comprising the steps of:

entering at least one digit of a recipient's phone number;

transmitting to the base station, in response to the entering of the at least one digit of the recipient's phone number, an origination message that does not contain a recipient's phone number;

receiving a channel assignment message for a forward and reverse traffic channels from the base station, setting up wireless channels to the base station according to assignment information included in the channel assignment message; and

completing entry of the recipient's phone number, transmitting to the base station, in response to a send key input, an origination continuation message containing the recipient's phone number.

2. (Previously Presented) The method of claim 1, wherein the step of setting up wireless channels comprises the steps of:

assigning the forward traffic channel and the reverse traffic channel corresponding thereto according to the assignment information, and transmitting a preamble over the assigned reverse traffic channel; and

exchanging acknowledgement (Ack) orders with the base station and performing service negotiation with the base station.

3. (Previously Presented) The method of claim 1, wherein the origination message includes a dummy phone number consisting of all '0s'.

4. (Currently Amended) A method for performing call setup by a base station upon a call attempt by a mobile station in a mobile communication system having the base station for

serving the mobile station, and a mobile switching center for controlling the base station, the method comprising the steps of:

entering at least one digit corresponding to a recipient's phone number;

receiving an origination message, by the base station, that does not contain the recipient's phone number from the mobile station, assigning to the mobile station wireless resources and transmitting to the mobile station a channel assignment message containing the assignment information;

after transmitting the channel assignment message, assigning wireless channels to the mobile station;

after completion of the assignment of the wireless channels, transmitting to the mobile switching center a service request message requesting assignment of a wire resource when an origination continuation message, transmitted in response to a send key input, containing a recipient's phone number is received from the mobile station; and

upon receiving ~~an~~ a wireless resource assignment request message from the mobile switching center, acknowledging the wireless resource assignment request message as a message indicating completion of the assignment of the wire resource in the mobile switching center, and transmitting ~~an~~ a wireless resource assignment complete message to the mobile switching center.

5. (Original) The method of claim 4, further comprising the steps of:

upon receiving the assignment request message from the mobile switching center, determining whether assignment of the wireless channels is completed; and

transmitting the assignment complete message to the mobile switching center if assignment of the wireless channels is completed.

6. (Currently Amended) A method for performing call setup by a base station upon a call attempt by a mobile station in a mobile communication system having the base station for serving the mobile station, and a mobile switching center for controlling the base station, the method comprising the steps of:

receiving an origination message generated in response to the entry of at least one digit corresponding to a recipient's phone number;

upon receiving an origination message from the mobile station, transmitting to the mobile switching center a service request message requesting assignment of a wire resource, simultaneously assigning wireless resources to the mobile station, and transmitting a channel assignment message containing the assignment information to the mobile station;

assigning wireless channels to the mobile station; and

if a wireless resource assignment request message is received from the mobile switching center, acknowledging the wireless resource assignment request message as a message indicating completion of the assignment of the wire resource in the mobile switching center, and transmitting, after receiving an origination complete message generated in response to the entry of a send key, an assignment complete message to the mobile switching center ~~if an assignment request message is received from the mobile switching center~~.

7. (Previously Presented) The method of claim 6, wherein the assignment request message from the mobile switching center is received after a service request message is transmitted.

8. (Original) The method of claim 6, further comprising the steps of:

upon receiving the assignment request message from the mobile switching center, determining by the base station whether assignment of the wireless channels is completed; and

transmitting the assignment complete message to the mobile switching center if assignment of the wireless channels is completed.

9. (Currently Amended) A method for performing call setup by a base station upon call attempt by a mobile station in a mobile communication system having the base station for serving the mobile station, and a mobile switching center for controlling the base station, the method comprising the steps of:

upon receiving an origination message, transmitted in response to the entry of at least one digit corresponding to a recipient's phone number, that does not contain the recipient's phone number from the mobile station, transmitting a service request message requesting assignment of a wire resource to the mobile switching center, simultaneously assigning wireless

resources to the mobile station, and transmitting a channel assignment message including the assignment information to the mobile station;

after transmitting the channel assignment message, assigning wireless channels to the mobile station;

after assignment of the wireless channels, transmitting to the mobile switching center a recipient's phone number when an origination continuation message, transmitted in response to entry of a send key, is received from the mobile station; and

after assignment of the wireless channels, if ~~an~~ a wireless resource assignment request message is received from the mobile switching center in response to a service request message, acknowledging the wireless resource assignment request message as a message indicating completion of the assignment of the wire resource in the mobile switching center, and transmitting to the mobile switching center ~~an~~ a wireless resource assignment complete message.

10. (Previously Presented) A mobile station apparatus for performing call setup in a mobile communication system, comprising:

a key input unit for generating a key signal corresponding to a key input by a user;

a radio frequency (RF) unit for up-converting a signal to be transmitted to a base station into an RF signal, and down-converting an RF signal received from the base station into a baseband signal;

a modem for encoding and modulating data or a message to be transmitted to the base station, providing the modulated data or message to the RF unit, and demodulating and decoding the baseband signal received from the RF unit; and

a controller for

generating an origination message, in response to the entry of at least one digit of a recipient's phone number, that does not contain the recipient's phone number and providing the origination message to the modem when a dial signal is received from the key input unit,

controlling the RF unit to set up wireless channels for a forward and a reverse traffic channels and performing service negotiation upon receiving a channel assignment message, and

generating, in response to an entry of a send key input, an origination continuation message containing the recipient's phone number and providing the origination continuation message to the modem when a key input complete signal is received from the key input unit.

11. (Previously Presented) The method of claim 10, wherein the origination message includes a dummy phone number consisting of all '0s'.

12. (Previously Presented) The method of claim 4, wherein the step of assigning wireless channels comprises:

assigning, before input of the send key, a forward traffic channel and a reverse traffic channel corresponding thereto according to the assignment information, and transmitting a preamble over the assigned reverse traffic channel; and

exchanging acknowledgement(ACK) orders with the base station and performing service negotiation with the base station.

13. (Previously Presented) The method of claim 4, wherein the origination message includes a dummy phone number consisting of all '0s'.

14. (Previously Presented) The number of claim 9, wherein the step of assigning wireless channels comprises:

assigning a forward traffic channel and a reverse traffic channel corresponding thereto according to the assignment information, and transmitting a preamble over the assigned reverse traffic channel; and

exchanging acknowledgement(ACK) orders with the base station and performing service negotiation with the base station.

15. (Previously Presented) The method of claim 9, wherein the origination message includes a dummy phone number consisting of all '0s'.

16. (Previously Presented) The number of claim 10, wherein the step of setting up the wireless channels comprises:

assigning a forward traffic channel and a reverse traffic channel corresponding thereto according to the assignment information, and transmitting a preamble over the assigned reverse traffic channel; and

exchanging acknowledgement(ACK) orders with the base station and performing service negotiation with the base station.